



09/473,868

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hanaoka et al. )  
Serial No.: 09/473,868 )  
Filed: December 28, 1999 )  
For: DRIVING OF A LIQUID )  
CRYSTAL DISPLAY DEVICE )  
Art Unit: 2674 )  
Examiner: Abdulsalam, A. )  
Patent: 6,989,808 )  
Issued: Jan. 24, 2006 )

*I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.*

20 Feb 06  
Date

  
Registration No. 29,367  
Attorney for Applicants

**Certificate**  
**FEB 28 2006**  
**of Correction**

REQUEST FOR CERTIFICATE OF CORRECTION UNDER RULE 322

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTN: Certificate of Corrections Branch

Dear Sir:

In accordance with 37 C.F.R. § 1.322, patentees, through their attorneys, respectfully request that a Certificate of Correction be issued in the above-referenced patent.

The errors occurred as a result of mistakes on the part of the Patent and Trademark Office and the changes include the following:

FEB 28 2006

On the Patent Face:

Under "References Cited", the following reference was inadvertently omitted:

--6,353,435; 3/2002; Kudo et al.-- (PTO-892 dated 01/25/05).

FEB 20 2006

In the Claims:

Col. 8, line 43, delete “confined insaid” and insert --confined in said-- (§ 312

Amend., p. 4, line 10; dated 4/22/05).

## REMARKS

A Certificate of Correction incorporating the delineated change is enclosed in duplicate herewith. Since the mistakes were on the part of the Patent and Trademark Office, a Certificate of Correction should be issued without expense to the patentee and such is respectfully requested.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By 

Patrick G. Burns  
Registration No. 29,367

February 20, 2006

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,989,808  
DATED : Jan. 25, 2006  
INVENTOR(S) : Hanaoka et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

### On the Patent Face:

Under "References Cited", the following reference was inadvertently omitted:

--6,353,435; 3/2002; Kudo et al.-- .

### In the Claims:

Col. 8, line 43, delete "confined insaid" and insert --confined in said--.

#### MAILING ADDRESS OF SENDER:

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PATENT NO 6,989,808  
No. of additional copies 1



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6. (Currently Amended) A method as claimed in claim 1, wherein said common voltage is set such that a fluctuation of a leakage light, caused by a disclination induced in said liquid crystal layer by a lateral electric field, is 10% or less.

7. (Original) A method as claimed in claim 1, wherein said central voltage is offset from zero volt.

8. (Previously Presented) A liquid crystal display device, said liquid crystal display device comprising:

a first substrate;

a second substrate opposing said first substrate with a gap therebetween;

a liquid crystal layer confined in said gap;

a thin-film transistor formed on said first substrate;

a data bus line formed on said first substrate in electrical connection with said thin-film transistor;

a driving circuit supplying an alternate-current driving voltage signal to said thin-film transistor via said data bus line;

a pixel electrode provided on said first substrate in electrical connection to said thin-film transistor;

an auxiliary electrode of H-shaped form including a pair of parallel conductor portions and a conductor portion connection said parallel conductor portions, formed on said

**Notice of References Cited**



Application/Control No.

09/473,868

Applicant(s)/Patent Under  
Reexamination  
HANAOKA ET AL.

Examiner

Abbas I Abdulsalam

Art Unit

2674

Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,353,435 ✓	03-2002	Kudo et al.	345/204
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	<i>all cited references supplied by me</i>
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.